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Experiment: 14. Perform Perspective Transformation on the given image using python and Open CV.

Code:

```
#question 14

import cv2

import numpy as np

i = cv2.imread("image.jpg")

h, w = i.shape[:2]

p1 = np.float32([[50, 50], [300, 50], [50, 300], [300, 300]])

p2 = np.float32([[0, 0], [w, 0], [0, h], [w, h]])

m = cv2.getPerspectiveTransform(p1, p2)

p = cv2.warpPerspective(i, m, (w, h))

cv2.imshow("Original Image", i)

cv2.imshow("Perspective Transformed Image", p)

cv2.waitKey(0)

cv2.destroyAllWindows()
```

Input and Output:

